Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/15/2017 10:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124646	-1	1.53	124473	1.49
Blue	F	SSC	125000	122991	-2	2.99	123267	2.72
Blue	E	FITC	23615	22727	-4	2.57	1016	10.39
Blue	D	PE	26739	26468	-2	2.16	951	9.84
Blue	B	PerCP-Cy5-5	48339	46844	-4	3.49	1339	17.27
Blue	A	PE-Cy7	45021	44038	-3	5.18	681	35.68
Red	C	APC	53064	52070	-2	2.82	2997	9.63
Red	A	APC-Cy7	57175	55574	-3	2.77	1157	11.27
Violet	B	V450	14728	14215	-4	5.15	678	9.44
Violet	A	V500	58621	57774	-2	4.94	2559	7.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19407	2.39	607	-7	N/A	N/A	Pass
Blue	F	SSC	60730	1.52	547	1	N/A	N/A	Pass
Blue	E	FITC	112	38.83	544	-4	0.0200	108	Pass
Blue	D	PE	208	28.70	536	0	0.1567	219	Pass
Blue	B	PerCP-Cy5-5	209	44.67	632	-3	0.0096	45	Pass
Blue	A	PE-Cy7	72	123.55	691	-2	0.0118	19	Pass
Red	C	APC	347	28.05	598	1	0.0195	48	Pass
Red	A	APC-Cy7	125	41.57	580	0	0.0055	1755	Pass
Violet	B	V450	83	42.36	469	-1	0.0505	2168	Pass
Violet	A	V500	186	22.24	497	0	0.0153	379	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/15/2017 10:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-31.04	0.85
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.42	14.40 - 21.60	N/A	N/A	30.98	31.39	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14542

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments